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TECH CENTER 1600

1600

RAW SEQUENCE LISTING   DATE: 05/13/2003
PATENT APPLICATION: US/09/549,642   TIME: 14:56:09

Input Set : A:\314572-101F SEQLIST.TXT
Output Set: N:\CRF4\05132003\I549642.raw

ENTERED

```
 4 <110> APPLICANT: Phairson Medical, Inc.
 5       de Faire, Johan
 6       Franklin, Richard L.
 7       Kay, John
 8       Lindblom, Ragnvald
10 <120> TITLE OF INVENTION: Removing Dental Plaque with Krill
11       Enzymes
13 <130> FILE REFERENCE: 314572-101F
15 <140> CURRENT APPLICATION NUMBER: 09/549,642
16 <141> CURRENT FILING DATE: 2000-04-14
18 <150> PRIOR APPLICATION NUMBER: 09/303,375
19 <151> PRIOR FILING DATE: 2000-04-30
21 <150> PRIOR APPLICATION NUMBER: 08/600,273
22 <151> PRIOR FILING DATE: 1996-02-08
24 <150> PRIOR APPLICATION NUMBER: 08/486,820
25 <151> PRIOR FILING DATE: 1995-06-07
27 <150> PRIOR APPLICATION NUMBER: 08/385,540
28 <151> PRIOR FILING DATE: 1995-02-08
30 <160> NUMBER OF SEQ ID NOS: 20
32 <170> SOFTWARE: FastSEQ for Windows Version 4.0
34 <210> SEQ ID NO: 1
35 <211> LENGTH: 25
36 <212> TYPE: PRT
37 <213> ORGANISM: Euphasia superba
39 <400> SEQUENCE: 1
40 Ile Val Gly Gly Asn Glu Val Thr Pro His Ala Tyr Pro Trp Gln Val
41 1               5                  10                  15
42 Gly Leu Phe Ile Asp Asp Met Tyr Phe
43             20                  25
45 <210> SEQ ID NO: 2
46 <211> LENGTH: 25
47 <212> TYPE: PRT
48 <213> ORGANISM: Euphasia superba
50 <400> SEQUENCE: 2
51 Ile Val Gly Gly Met Glu Val Thr Pro His Ala Tyr Pro Trp Gln Val
52 1               5                  10                  15
53 Gly Leu Phe Ile Asp Asp Met Tyr Phe
54             20                  25
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 25
58 <212> TYPE: PRT
59 <213> ORGANISM: Penaeus vanameii
61 <400> SEQUENCE: 3
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                RAW SEQUENCE LISTING              DATE: 05/13/2003
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                Input Set : A:\314572-101F SEQLIST.TXT
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      62 Ile Val Gly Gly Val Glu Ala Thr Pro His Ser Trp Pro His Gln Ala
      63  1           5                   10                  15
      64 Ala Leu Phe Ile Asp Asp Met Tyr Phe
      65           20                  25
      67 <210> SEQ ID NO: 4
      68 <211> LENGTH: 20
      69 <212> TYPE: PRT
      70 <213> ORGANISM: Penaeus vanameii
      72 <220> FEATURE:
      73 <221> NAME/KEY: VARIANT
      74 <222> LOCATION: (1)...(20)
      75 <223> OTHER INFORMATION: Xaa = Any Amino Acid
      77 <400> SEQUENCE: 4
W--> 78 Ile Val Gly Gly Val Glu Ala Thr Pro His Ser Xaa Pro His Gln Ala
      79  1           5                   10                  15
      80 Ala Leu Phe Ile
      81           20
      83 <210> SEQ ID NO: 5
      84 <211> LENGTH: 25
      85 <212> TYPE: PRT
      86 <213> ORGANISM: Penaeus monodon
      88 <400> SEQUENCE: 5
      89 Ile Val Gly Gly Thr Ala Val Thr Pro Gly Glu Phe Pro Tyr Gln Leu
      90  1           5                   10                  15
      91 Ser Phe Gln Asp Ser Ile Glu Gly Val
      92           20                  25
      94 <210> SEQ ID NO: 6
      95 <211> LENGTH: 25
      96 <212> TYPE: PRT
      97 <213> ORGANISM: Penaeus monodon
      99 <400> SEQUENCE: 6
     100 Ile Val Gly Gly Val Glu Ala Val Pro Gly Val Trp Pro Tyr Gln Ala
     101  1           5                   10                  15
     102 Ala Leu Phe Ile Ile Asp Met Tyr Phe
     103           20                  25
     105 <210> SEQ ID NO: 7
     106 <211> LENGTH: 25
     107 <212> TYPE: PRT
     108 <213> ORGANISM: Penaeus monodon
     110 <400> SEQUENCE: 7
     111 Ile Val Gly Gly Val Glu Ala Val Pro His Ser Trp Pro Tyr Gln Ala
     112  1           5                   10                  15
     113 Ala Leu Phe Ile Ile Asp Met Tyr Phe
     114           20                  25
     116 <210> SEQ ID NO: 8
     117 <211> LENGTH: 25
     118 <212> TYPE: PRT
     119 <213> ORGANISM: Uca pugilator
     121 <400> SEQUENCE: 8
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122 Ile Val Gly Gly Val Glu Ala Val Pro Asn Ser Trp Pro His Gln Ala
123 1               5                   10              15
124 Ala Leu Phe Ile Asp Asp Met Tyr Phe
125             20              25
127 <210> SEQ ID NO: 9
128 <211> LENGTH: 20
129 <212> TYPE: PRT
130 <213> ORGANISM: Uca pugilator
132 <400> SEQUENCE: 9
133 Ile Val Gly Gly Gln Asp Ala Thr Pro Gly Gln Phe Pro Tyr Gln Leu
134 1               5                   10              15
135 Ser Phe Gln Asp
136             20
138 <210> SEQ ID NO: 10
139 <211> LENGTH: 19
140 <212> TYPE: PRT
141 <213> ORGANISM: King crab
143 <220> FEATURE:
144 <221> NAME/KEY: VARIANT
145 <222> LOCATION: (1)...(19)
146 <223> OTHER INFORMATION: Xaa = Any Amino Acid
148 <400> SEQUENCE: 10
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W--> 149 Ile Val Gly Gly Gln Glu Ala Ser Pro Gly Ser Trp Pro Xaa Gln Val
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150 1               5                   10              15
151 Gly Leu Phe
154 <210> SEQ ID NO: 11
155 <211> LENGTH: 20
156 <212> TYPE: PRT
157 <213> ORGANISM: Kamchatka crab
159 <220> FEATURE:
160 <221> NAME/KEY: VARIANT
161 <222> LOCATION: (1)...(20)
162 <223> OTHER INFORMATION: Xaa = Any Amino Acid
164 <400> SEQUENCE: 11
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W--> 165 Ile Val Gly Gly Gln Glu Ala Ser Pro Gly Ser Trp Pro Xaa Gln Val
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166 1               5                   10              15
167 Gly Leu Phe Phe
168             20
170 <210> SEQ ID NO: 12
171 <211> LENGTH: 20
172 <212> TYPE: PRT
173 <213> ORGANISM: Kamchatka crab
175 <400> SEQUENCE: 12
176 Ile Val Gly Gly Thr Glu Val Thr Pro Gly Glu Ile Pro Tyr Gln Leu
177 1               5                   10              15
178 Ser Leu Gln Asp
179             20
181 <210> SEQ ID NO: 13
182 <211> LENGTH: 20
```

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                RAW SEQUENCE LISTING           DATE: 05/13/2003
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                Input Set : A:\314572-101F SEQLIST.TXT
                Output Set: N:\CRF4\05132003\I549642.raw

    183 <212> TYPE: PRT
    184 <213> ORGANISM: Kamchatka crab
    186 <400> SEQUENCE: 13
    187 Ile Val Gly Gly Thr Glu Val Thr Pro Gly Glu Ile Pro Tyr Gln Leu
    188 1              5                  10               15
    189 Ser Phe Gln Asp
    190              20
    192 <210> SEQ ID NO: 14
    193 <211> LENGTH: 20
    194 <212> TYPE: PRT
    195 <213> ORGANISM: Kamchatka crab
    197 <220> FEATURE:
    198 <221> NAME/KEY: VARIANT
    199 <222> LOCATION: (1)...(20)
    200 <223> OTHER INFORMATION: Xaa = Any Amino Acid
    202 <400> SEQUENCE: 14
W--> 203 Ile Val Gly Gly Ser Glu Ala Thr Ser Gly Gln Phe Pro Tyr Gln Xaa
    204 1              5                  10               15
    205 Ser Phe Gln Asp
    206              20
    208 <210> SEQ ID NO: 15
    209 <211> LENGTH: 20
    210 <212> TYPE: PRT
    211 <213> ORGANISM: Crayfish
    213 <400> SEQUENCE: 15
    214 Ile Val Gly Gly Thr Asp Ala Thr Leu Gly Glu Phe Pro Tyr Gln Leu
    215 1              5                  10               15
    216 Ser Phe Gln Asn
    217              20
    219 <210> SEQ ID NO: 16
    220 <211> LENGTH: 20
    221 <212> TYPE: PRT
    222 <213> ORGANISM: Bovine
    224 <400> SEQUENCE: 16
    225 Ile Val Asn Gly Glu Asp Ala Val Pro Gly Ser Trp Pro Trp Gln Val
    226 1              5                  10               15
    227 Ser Leu Gln Asp
    228              20
    230 <210> SEQ ID NO: 17
    231 <211> LENGTH: 25
    232 <212> TYPE: PRT
    233 <213> ORGANISM: Salmon
    235 <400> SEQUENCE: 17
    236 Ile Val Gly Gly Tyr Glu Cys Lys Ala Tyr Ser Gln Ala Tyr Gln Val
    237 1              5                  10               15
    238 Ser Leu Asn Ser Gly Tyr His Tyr Cys
    239              20                 25
    241 <210> SEQ ID NO: 18
    242 <211> LENGTH: 25
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RAW SEQUENCE LISTING   DATE: 05/13/2003
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Input Set : A:\314572-101F SEQLIST.TXT
Output Set: N:\CRF4\05132003\I549642.raw

```
243 <212> TYPE: PRT
244 <213> ORGANISM: Atlantic cod
246 <400> SEQUENCE: 18
247 Ile Val Gly Gly Tyr Glu Cys Thr Lys His Ser Gln Ala His Gln Val
248 1               5                   10                  15
249 Ser Leu Asn Ser Gly Tyr His Tyr Cys
250             20                  25
252 <210> SEQ ID NO: 19
253 <211> LENGTH: 25
254 <212> TYPE: PRT
255 <213> ORGANISM: Atlantic cod
257 <400> SEQUENCE: 19
258 Ile Val Gly Gly Tyr Glu Cys Thr Arg His Ser Gln Ala His Gln Val
259 1               5                   10                  15
260 Ser Leu Asn Ser Gly Tyr His Tyr Cys
261             20                  25
263 <210> SEQ ID NO: 20
264 <211> LENGTH: 25
265 <212> TYPE: PRT
266 <213> ORGANISM: Euphasia superba
268 <220> FEATURE:
269 <221> NAME/KEY: VARIANT
270 <222> LOCATION: (1)...(25)
271 <223> OTHER INFORMATION: Xaa = Any Amino Acid
273 <400> SEQUENCE: 20
W--> 274 Ile Val Gly Gly Xaa Glu Val Thr Pro His Ala Tyr Pro Trp Gln Val
275 1               5                   10                  15
276 Gly Leu Phe Ile Asp Asp Met Tyr Phe
277             20                  25
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/13/2003
PATENT APPLICATION: US/09/549,642   TIME: 14:56:10

Input Set : A:\314572-101F SEQLIST.TXT
Output Set: N:\CRF4\05132003\I549642.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 12
Seq#:10; Xaa Pos. 14
Seq#:11; Xaa Pos. 14
Seq#:14; Xaa Pos. 16
Seq#:20; Xaa Pos. 5

VERIFICATION SUMMARY   DATE: 05/13/2003
PATENT APPLICATION: US/09/549,642   TIME: 14:56:10

Input Set : A:\314572-101F SEQLIST.TXT
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L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0